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FIG. 1

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GGGCGAAGGTGAANACCGGCTCCTAGGATGAGTGAAGGGGCGGCCGCTGCCTCGCCA
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GCCCACTCGCTTCCCCGGGCACCGGGTGCCCATCCGGGCCAGCCCGCGCTCCACCACA
GCACGGAACACTGCGGCCCCTGCGACGGTCCCGTCCACCACGGCCCCGTTCTTCAGTA
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GGACCCTGTCTCCCTTTCAGGATGCTGCCTCCTCTTCTTCCTCTTCTTCCTCCTCCGCTA
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CCTCATATCATAGTGTTTTTTAACAAAATATTTTTTTAAGGGAAAGAAATGTTTCAGGA
GGGATAAAGCTT

FIG. 2

ATGAGTGAAGGGGCGGCCGCTGCCTCGCCACCTGGTGCCGCTTCGGCAGCCGCCGCCTCGGCCGAGG
AGGGCACCGCGGCGGCTGCGGCGGCGGCAGCGGCGGGCGGGGGCCCGGACGGCGGCGGCGAAGGGG
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CTTGCTGCAGCCCAGGGCAAAGAAGTGGCATGCTCCATAGGAATGCCTTCAGAAGGACACCCCCGTC
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FIG. 3

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mNRG3 1 MSEGAAGASPPGAASAAAASAEEGTAAAAAAAAAGGGPDGGGEGAAEPPR
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mNRG3 151 PNRISTRLTTITRAPTRFPGHRVPIRASPRSTTARNTAAPPTVLSTTAPF
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mNRG3 201 FSSSTPGSRPPMPGAPSTQAMPSWPTAAYATSSYLHDSTPSWTLSPFQDA
EGF-like
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mNRG3 251 AAASSSSPSSTSSTTTTPETSTSPKFHTTTYSTERSEHFKPCRDKDLAYC
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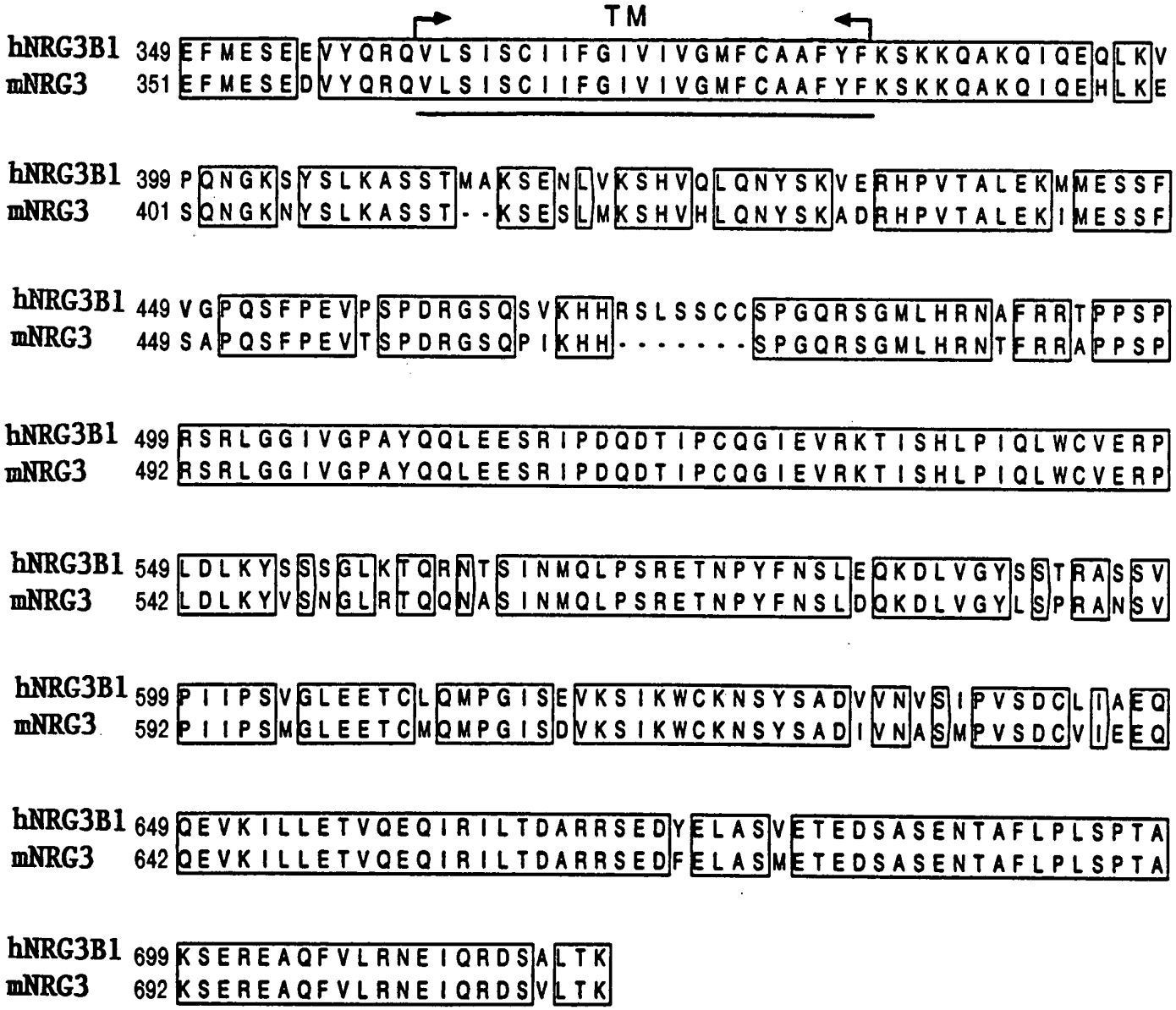
mNRG3 301 LNDGECFVIETLTGSHKHCRCKEGYQGVRCDQFLPKTDSILSDPTDHLGI

FIG. 4A-1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mNRG3 401 SQNGKNYSLKASST--KSESLMKSHVHLQNYSKADRHPVTALEKIMESSF
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mNRG3 542 LDLKYVSNGLRTQQNASINMQLPSRETNPYFNSLDQKDLVGYLSPRANSV
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mNRG3 592 PIIPSMGLEETCMQMPGISDVKSIKWCKNSYSADIVNASMPVSDCVIEEQ
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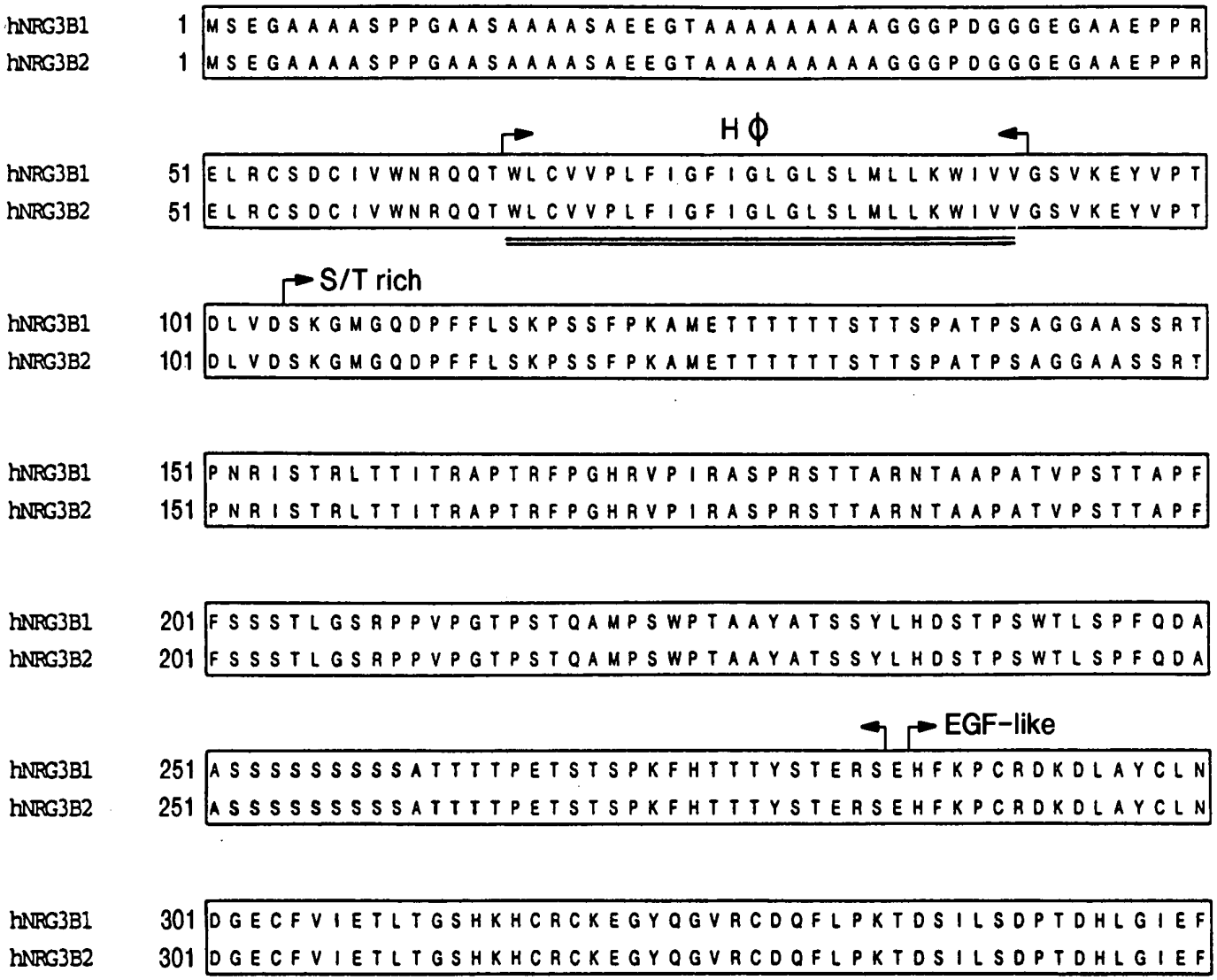
FIG. 4A-2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hNRG3B2 51 ELRCSDCIVWNRQQTWLCVVPLFIGFIGLGLSLMLLKWIVVGSVKEYVPT
S/T rich
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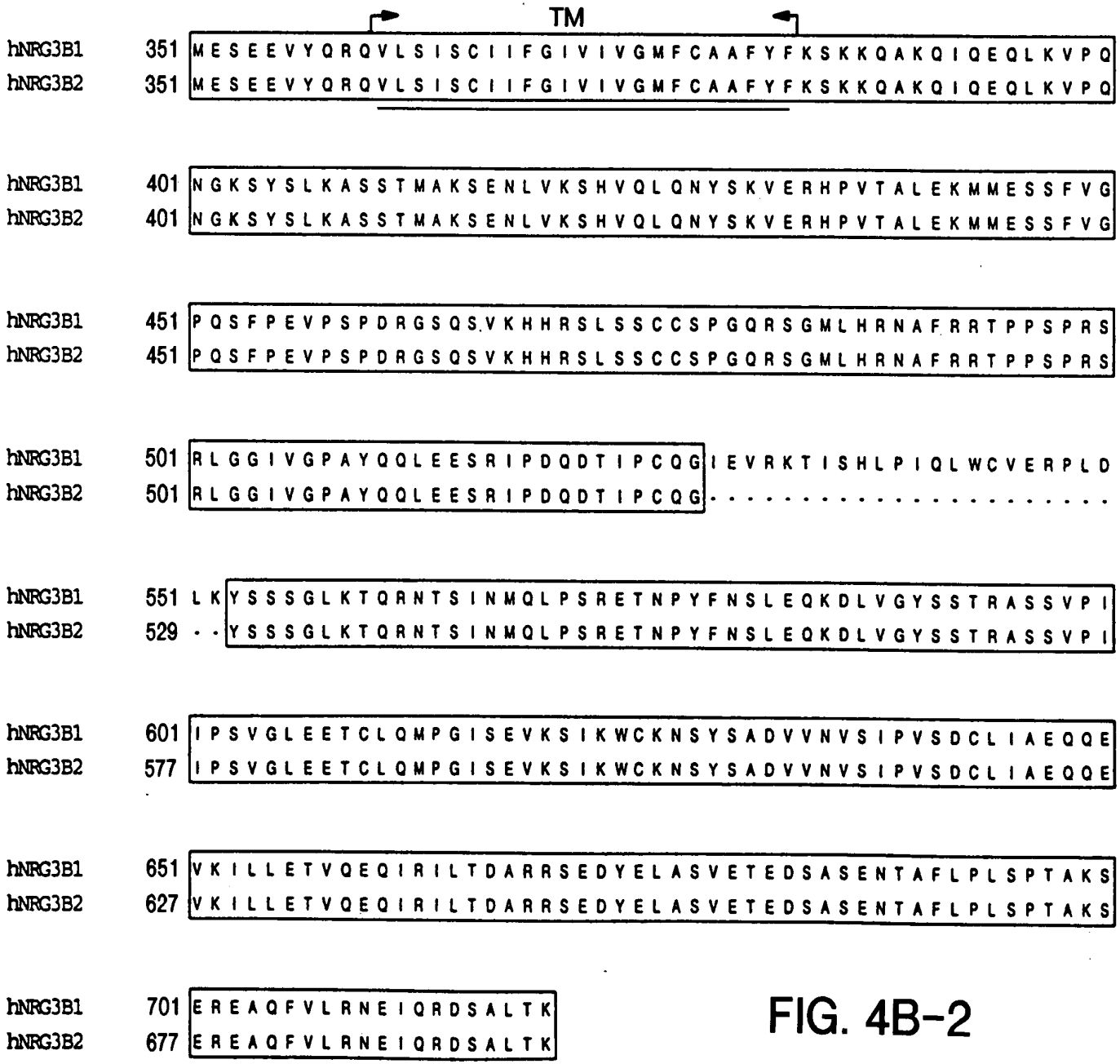
FIG. 4B-1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hNRG3B2 401 NGKSYSLKASSTMAKSENLVKSHVQLQNYSKVERHPVTALEKMMESSFVG
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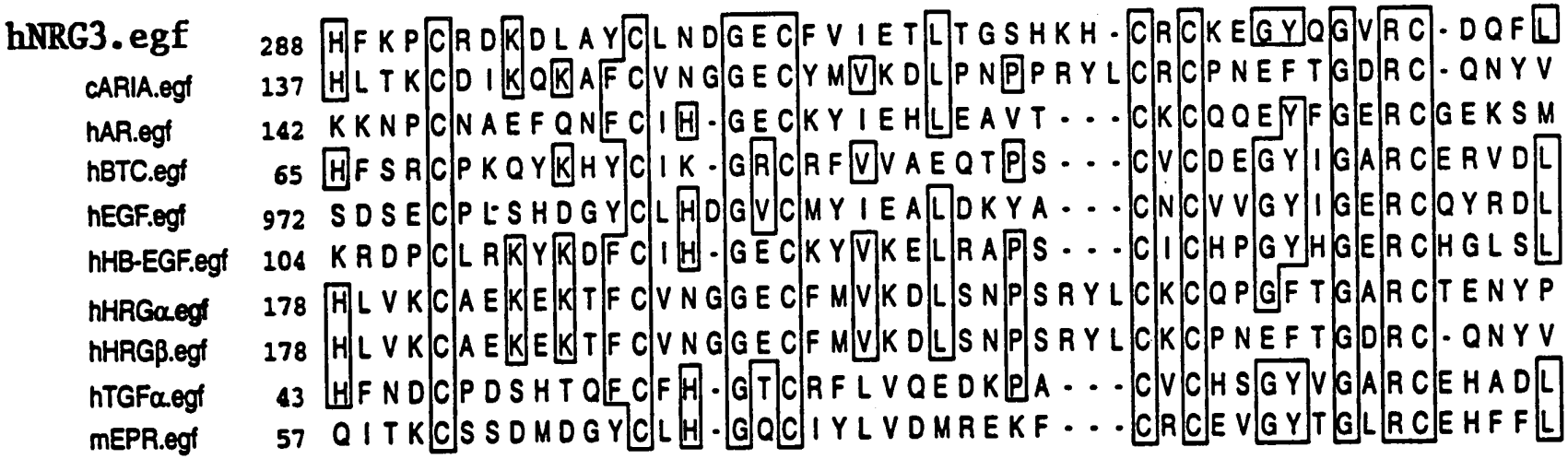
FIG. 4B-2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hAR.egf 142 KKNPCNAEFQNFCIH-GECKYIEHLEAVT---CKCQQEYFGERCGEKSM
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hHRGβ.egf 178 HLVKCAEKEKTFCVNGGECFMVKDLSNPSRYLCKCPNEFTGDRC-QNYV
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FIG. 5

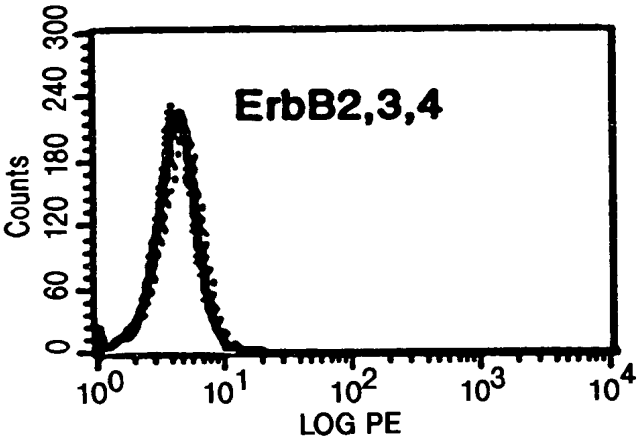

FIG. 6A

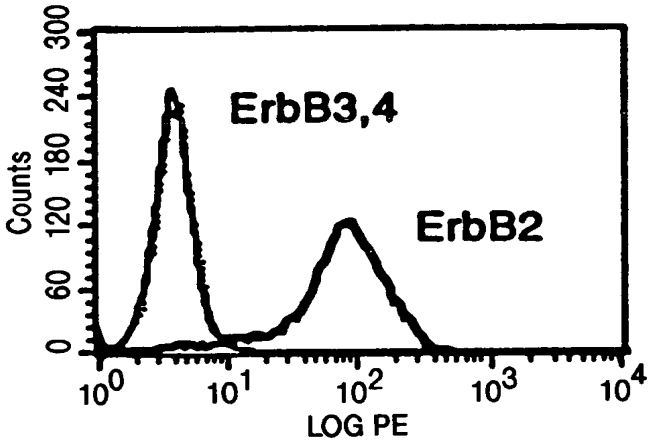

FIG. 6B

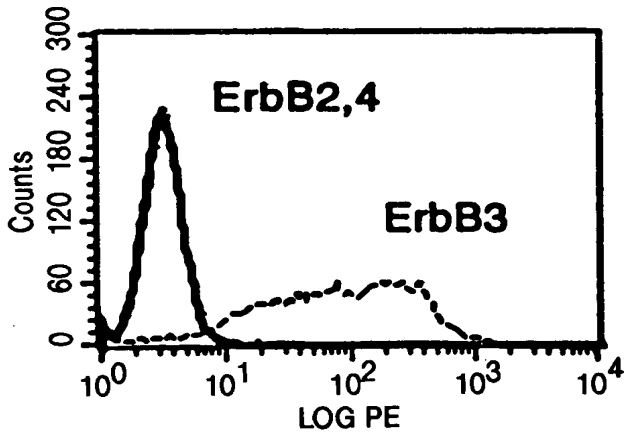

FIG. 6C

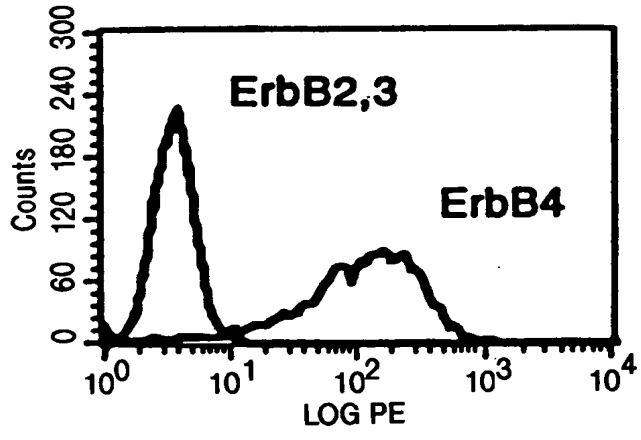

FIG. 6D

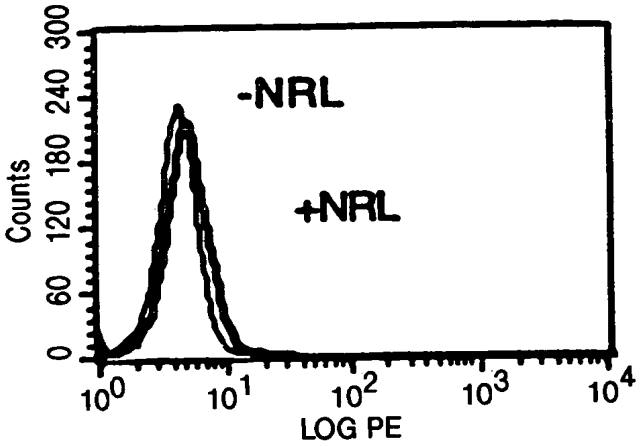

FIG. 6E

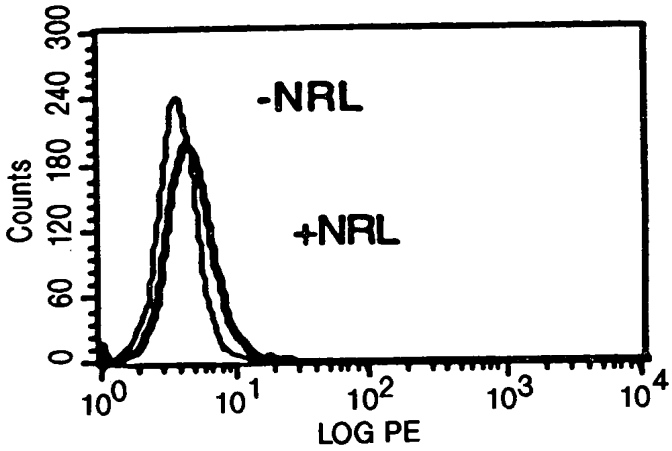

FIG. 6F

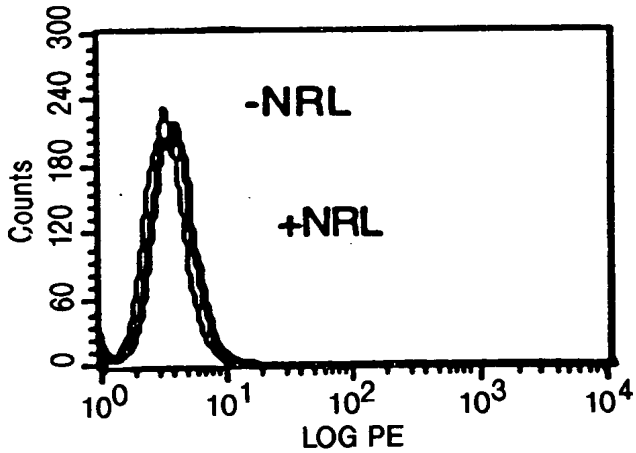

FIG. 6G

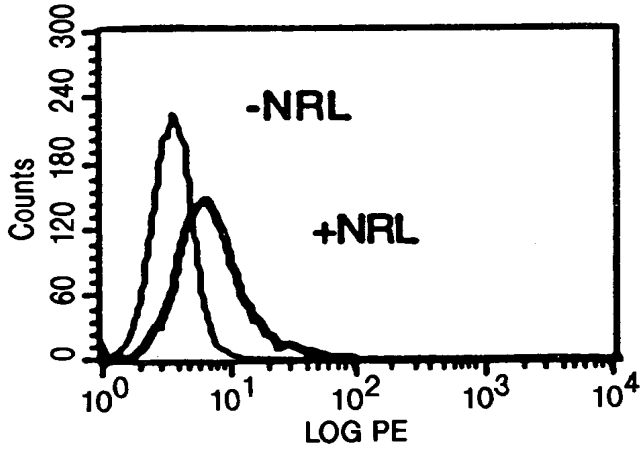

FIG. 6H

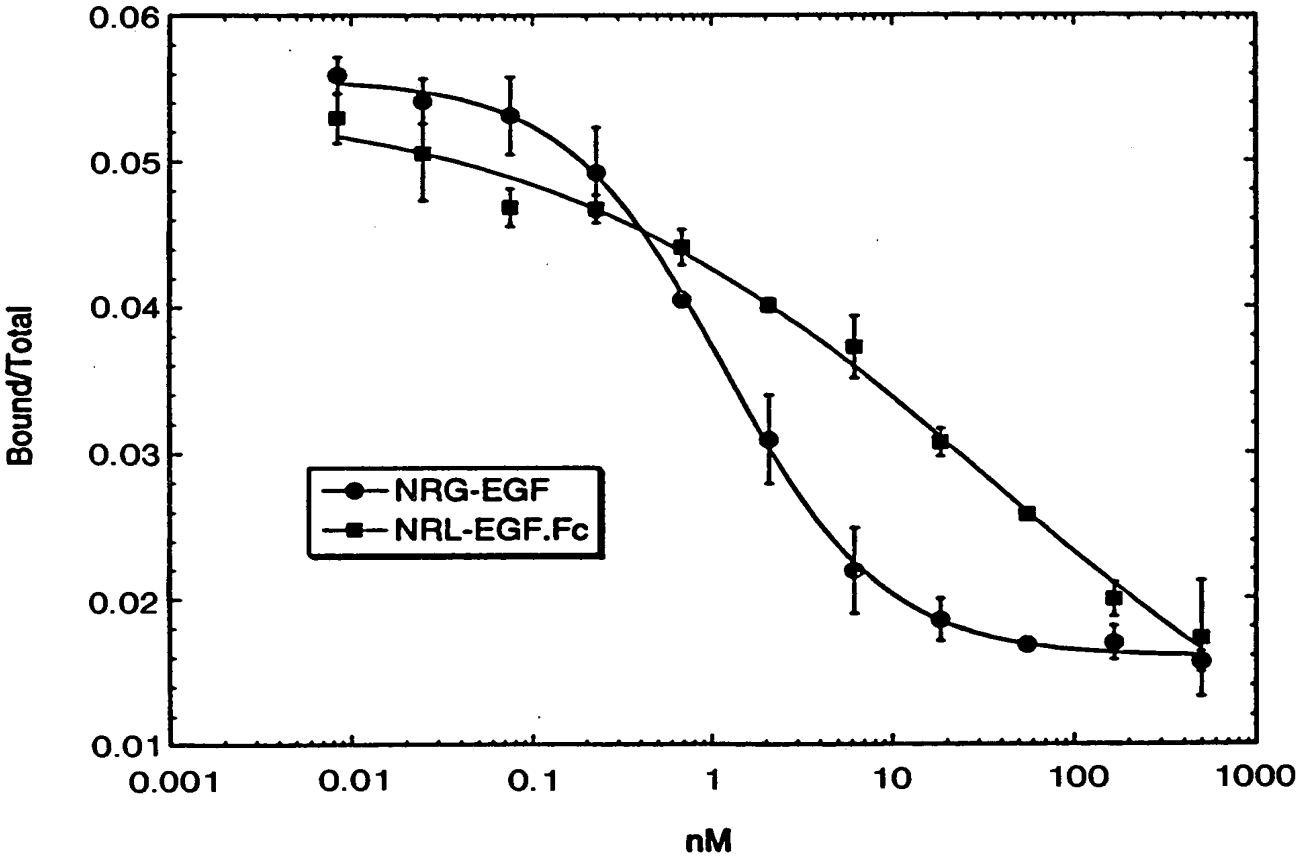
0.06
0.05
0.04
0.03
0.02
0.01
Bound/Total
NRG-EGF
NRL-EGF.Fc
0.001
0.01
0.1
1
10
100
1000
nM

FIG. 7